

# CLAIM AMENDMENTS

## Claim Amendment Summary

### **Claims pending**

- At time of the Action: Claims 1-40.
- After this Response: Claims 1-40.

**Canceled or Withdrawn claims:** none.

**Amended claims:** 13-18, and 31.

**New claims:** none.

## Claims:

1. **(Original)** A method for controlling access to storage loci in a common configuration data structure, the method comprising:

receiving an attempt to access a first storage locus in the common configuration data structure from a program module;

determining whether to direct such attempt to at least a second locus in the common configuration data structure with the program module unaware that it is accessing the second locus.

2. **(Original)** A method as recited in claim 1 further comprising directing such attempt to at least the second locus, the program module being unaware that it is accessing the second locus.

1           3.     **(Original)** A method as recited in claim 1 further comprising  
2 determining whether to direct such attempt to at least a third locus in the common  
3 configuration data structure with the program module is unaware that it is  
4 accessing the third locus.

5  
6           4.     **(Original)** A method as recited in claim 1 further comprising  
7 examining a loci-redirection table, wherein the determining is based, at least in  
8 part, upon information in the table.

9  
10          5.     **(Original)** A method as recited in claim 1, wherein the program  
11 module is an application.

12  
13          6.     **(Original)** A method as recited in claim 1, wherein:  
14 the first storage locus is reserved for configuration information ("config-  
15 info") for a first version of a program module;  
16 the second storage locus is reserved for config-info for a second version of  
17 the program module.

18  
19          7.     **(Original)** A method as recited in claim 1, wherein the common  
20 configuration data structure is a registry.

21  
22          8.     **(Original)** A computer-readable medium having computer-  
23 executable instructions that, when executed by a computer, performs the method  
24 as recited in claim 1.  
25

1           9.     **(Original)** A method for controlling access to storage loci in a  
2 common configuration data structure, the method comprising:

3           receiving an attempt to access a first storage locus in the common  
4 configuration data structure from a program module;

5           directing such attempt to at least a second locus in the common  
6 configuration data structure, the program module being unaware that it is  
7 accessing the second locus.

8  
9           10.   **(Original)** A method as recited in claim 9 further comprising  
10 directing such attempt to at least a third locus in the common configuration data  
11 structure, the program module being unaware that it is accessing the third locus.

12  
13           11.   **(Original)** A computer-readable medium having computer-  
14 executable instructions that, when executed by a computer, performs the method  
15 as recited in claim 9.

16  
17           12.   **(Original)** A method for directing an access to a storage locus in a  
18 common configuration data structure, the method comprising:

19           intercepting an attempt by a program module to access configuration  
20 information ("config-info") of the program module at a first storage locus in the  
21 common configuration data structure;

22           determining whether to redirect such attempt to at least a second locus in  
23 the common configuration data structure with the program module unaware that it  
24 is accessing its config-info at the second locus.

1           13.    **(Currently Amended)** A method as recited in claim ~~11~~ 12, further  
2 comprising redirecting such attempt to at least the second locus, the program  
3 module being unaware that it is accessing its config-info at the second locus.

4  
5           14.    **(Currently Amended)** A method as recited in claim ~~11~~ 12, further  
6 comprising examining a loci-redirection table, wherein the determining is based, at  
7 least in part, upon information in the table.

8  
9           15.    **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein  
10 the program module is an application.

11  
12           16.    **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein:  
13 the first storage locus is reserved for configuration information (“config-  
14 info”) for a first version of a program module;  
15 the second storage locus is reserved for config-info for a second version of  
16 the program module.

17  
18           17.    **(Currently Amended)** A method as recited in claim ~~11~~ 12, wherein  
19 the common configuration data structure is a registry.

20  
21           18.    **(Currently Amended)** A computer-readable medium having  
22 computer-executable instructions that, when executed by a computer, performs the  
23 method as recited in claim ~~11~~ 12.

1           19.    **(Original)** A method for directing an access to a storage locus in a  
2 common configuration data structure, the method comprising:

3               intercepting an attempt by a program module to access configuration  
4 information ("config-info") of the program module at a first storage locus in the  
5 common configuration data structure;

6               redirecting such attempt to at least a second locus in the common  
7 configuration data structure, the program module being unaware that it is  
8 accessing its config-info at the second locus.

9  
10           20.   **(Original)** A method as recited in claim 19 further comprising  
11 redirecting such attempt to at least a third locus in the common configuration data  
12 structure, the program module being unaware that it is accessing the third locus.

13  
14           21.   **(Original)** A method for replicating data in storage loci of a  
15 common configuration data structure of multiple storage loci, the method  
16 comprising:

17               searching multiple storage loci of the common configuration data structure  
18 for modified data;

19               finding modified data in a first storage locus;

20               copying selected modified data from the first storage locus to at least a  
21 second storage locus.

22  
23           22.   **(Original)** A method as recited in claim 21 further comprising  
24 copying selected modified data from the first storage locus to at least a third  
25 storage locus.

1  
2 23. **(Original)** A method as recited in claim 21, wherein only storage  
3 loci listed in a loci-redirection table are searched during the searching.

4  
5 24. **(Original)** A method comprising:  
6 obtaining a triggering event that signals that a method as recited in claim 21  
7 be initiated;  
8 initiating such method as recited in claim 21.

9  
10 25. **(Original)** A method as recited in claim 24 further comprising  
11 sending a triggering event when data in the common configuration data structure is  
12 altered.

13  
14 26. **(Original)** A method as recited in claim 21, wherein:  
15 the first storage locus is reserved for configuration information ("config-  
16 info") for a first version of a program module;  
17 the second storage locus is reserved for config-info for a second version of  
18 the program module.

19  
20 27. **(Original)** A method as recited in claim 21, wherein the common  
21 configuration data structure is a registry.

22  
23 28. **(Original)** A computer-readable medium having computer-  
24 executable instructions that, when executed by a computer, performs the method  
25 as recited in claim 21.

1  
2 29. **(Original)** A method of access redirection and entry reflection, the  
3 method comprising:

4 controlling access to storage loci in a common configuration data structure  
5 of multiple storage loci, the controlling comprising:

- 6
  - receiving an attempt to access a first storage locus in the common  
7 configuration data structure from a program module;
  - directing such attempt to at least a second locus in the common  
8 configuration data structure, the program module being unaware that  
9 it is accessing the second locus;

10 replicating modified data in storage loci, the replicating comprising:

- 11
  - searching multiple storage loci for modified data;
  - finding modified data in at least one storage locus;
  - copying selected modified data from the storage locus to at least  
12 another storage locus.

13  
14  
15  
16 30. **(Original)** A computer-readable medium having computer-  
17 executable instructions that, when executed by a computer, perform a method for  
18 replicating data in storage loci of a common configuration data structure of  
19 multiple storage loci, the method comprising:

20 searching multiple storage loci of the common configuration data structure  
21 for modified data;

22 finding modified data in a first storage locus;

23 copying selected data from the first storage locus to at least a second  
24 storage locus.  
25

1  
2 31. **(Currently Amended)** An apparatus comprising:

3 a processor;

4 an access-redirector executable on the processor to:

5 receive an attempt to access a first storage locus in a common  
6 configuration data structure from a program module;

7 redirect such attempt to at least a second locus in the common  
8 configuration data structure, the program module being unaware that it is  
9 accessing the second locus.

10  
11 32. **(Original)** An apparatus comprising:

12 a processor;

13 a entry-reflector executable on the processor to:

14 search multiple storage loci of a common configuration data  
15 structure for modified data;

16 find modified data in a first storage locus;

17 copy selected data from the first storage locus to at least a second  
18 storage locus.

19  
20 33. **(Original)** An operating system comprising:

21 a common configuration data structure containing storage loci for storing  
22 configuration information ("config-info");

23 a loci-access redirector comprising:

24 receiver for receiving an attempt to access a first storage locus in the  
25 common configuration data structure from a program module;

1 director for directing such attempt to at least a second locus in the  
2 common configuration data structure, the program module being unaware  
3 that it is accessing the second locus.  
4

5 34. **(Original)** An operating system as recited in claim 33, wherein the  
6 program module is an application.  
7

8 35. **(Original)** An operating system as recited in claim 33, wherein:  
9 the first storage locus is reserved for config-info for a first version of a  
10 program module;  
11 the second storage locus is reserved for config-info for a second version of  
12 the program module.  
13

14 36. **(Original)** An operating system as recited in claim 33, wherein the  
15 common configuration data structure is a registry.  
16

17 37. **(Original)** An operating system comprising:  
18 a common configuration data structure containing storage loci for storing  
19 configuration information ("config-info");  
20 a loci-entry reflector comprising:  
21 searcher for searching multiple storage loci of the common  
22 configuration data structure for modified data and for finding modified data  
23 in a first storage locus;  
24 replicator for copying selected data from the first storage locus to at  
25 least a second storage locus.

1  
2 38. **(Original)** An operating system as recited in claim 37, wherein:

3 the first storage locus is reserved for config-info for a first version of a  
4 program module;

5 the second storage locus is reserved for config-info for a second version of  
6 the program module.  
7

8 39. **(Original)** A computer-readable medium having a common  
9 configuration data structure data structure, comprising:

10 a first storage locus containing configuration information ("config-info")  
11 for a first version of a program module;

12 a second storage locus containing config-info for a second version of the  
13 program module.  
14

15 40. **(Original)** A computer-readable medium as recited in claim 39  
16 further comprising a third storage locus containing a table that relates the first  
17 storage locus to the second storage locus.  
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